AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 19, line 6, with the following rewritten paragraph:

Where n represents the winding number. Further, B'_r [T] represents the residual magnetic flux density of the permanent magnet and μ'_m represents the magnetic permeability thereof. Further, the respective magnetic resistance is expressed by following equations (6) to (15).

$$R_{g1} = \frac{-x_g + \ell_g}{(\beta - \theta)S_0\mu_0} \quad \cdots\cdots (6)$$

$$R_{m1} = \frac{\ell_m}{(\beta - \theta)S_0\mu_m} \quad \cdots\cdots (7)$$

$$R_{\ell 1} = \frac{-x_g + \ell_g + \ell_m}{(\alpha - \beta + \theta)S_0\mu_0} \quad \cdots\cdots (8)$$

$$R_{g2} = \frac{-x_g + \ell_g}{(\beta + \theta)S_0\mu_0} \quad \cdots\cdots (9)$$

$$R_{m2} = \frac{\ell_m}{(\beta + \theta)S_0\mu_m} \quad \cdots\cdots (10)$$

$$R_{\ell 2} = \frac{-x_g + \ell_g + \ell_m}{(\alpha - \beta - \theta)S_0\mu_0} \quad \cdots\cdots (11)$$

$$R'_{g1} = \frac{x_g + \ell_g}{(\beta - \theta)S_0\mu_0} \quad \cdots\cdots (12)$$

$$R'_{\ell 1} = \frac{x_g + \ell_g + \ell_m}{(\alpha - \beta + \theta)S_0\mu_0} \quad \cdots\cdots (13)$$

$$R'_{g2} = \frac{x_g + \ell_g}{(\beta + \theta)S_0\mu_0} \quad \cdots\cdots (14)$$

$$R'_{\ell 2} = \frac{x_g + \ell_g + \ell_m}{(\alpha - \beta - \theta)S_0\mu_0} \quad \cdots\cdots (15)$$

where $So = \{r_2^2 - r_1^2\}, [[\mu_0]]/2$

is magnetic permeability of a vacuum.